The Calumet BOILERMAKER

"THE VOICE OF THE STUDENTS - - BY THE STUDENTS"

PURDUE CALUMET

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Purdue Cal Welcomes New Students

Enrollment Reaches 4,000

With over 950 freshmen and new transfer students now registered, Purdue Cal's total enrollment this fall is expected to top the 1968 figure of 4,066, according to John Fruth, admissions officer.

Of the estimated 762 freshmen, the majority are from Lake County, reflecting an increase in the total number of high school seniors graduated this year in the Calumet Region.

The second largest group is from nearby Illinois communities, with other students coming from Michigan, Ohio and Pennsylvania.

Admissions in Humanities, Social Science and Education should rise above the 35% increase mark set during the 1969 spring semester. This may demonstrate a desire for a more liberal education on the part of many students, Mr. Fruth explained.

Enrollment in Agriculture is also expected to rise, and the schools of Science and Technology are showing a slow but continual growth.

Home Economics is leveling off and Engineering is expected to continue dropping. This may be caused by the fact that the profession has been filling up rapidly in the past few years, Mr. Fruth stated.

Freshmen seek revenge on upper classmen.

Cal Convocation Awaits Scholars

Students on the Dean's List, one faculty member and four outstanding students will be honored at Purdue Cal's annual Convocation of the Calumet, to be held early in October on the colonnade.

For the second year, a "new format" will be used for this traditional program, according to Prof. Richard Draper, convocation committee chairman.

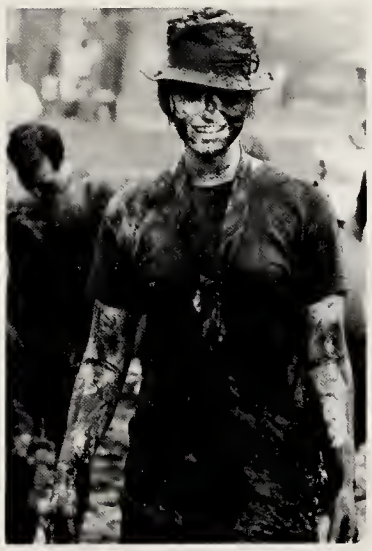
Begun in 1952, and formerly called Honors Day, the primary purpose of the convocation is to recognize academic excellence.

In addition to honoring full-time students who attain between a 5.25 and a 6.0 semester index, the Scholarship Committee will again nominate and elect four students who will be given special recognition.

The decision is based upon scholastic achievement, personality, participation in student activities, and a demonstrated interest in the student's chosen profession.

One student will be selected from each of the four schools of science, technology, engineering, and humanities, social science and education.

The faculty award will be presented to the professor who the teaching staff selects on the basis of leadership, research and service.



Muddy Coed after battle.

Senior Week Highlited

Take one flooded, muddy field and 200 Purduc Cal students trying to push a eight-foot ball over the opposition's goal line and you have the essential ingredients for a pushball contest.

This battle was the highlight of last spring's senior week, which was organized and planned by the senior class officers.

The festivities began with the annual semi-formal spring dance held the first weekend in May. This was followed by a hayride, an evening at the Purdue Cal Theater Company's production of "The Fantasticks," a class party and the "Little 5," a tricycle race held on the colonnade.

This race drew participants from Student Congress, the senior class, Pi Delta Phi and Phi Kappa Theta. Races were won by Student Congress and Pi Delta Phi.

Although it can take several years to firmly establish a tradition, senior week, organized promises to become a part of Purdue Cal's life in the years for the first time this year, to come.

Kangaroo Court Will End If Frosh Win Tug-of-War

By now, you freshmen are probably ready to impeach the Kangaroo Court. But hang on for one more week and you'll have your chance to get even at the annual tug-of-war battle with the sophomores, to be fought on the field across from the main building.

If you win, you can discard those beanies forever and become full-fledged Purdue Cal students. But lose, and the Kangaroo Court's sessions will be extended another two weeks.

Considerable research reveals that the beanie wearing, the Kangaroo Court and the tug-of-war date back to at least 1952.

Since then, these traditions have been faithfully carried on by revenge-seeking sophomores each year.

For the past three years, the freshmen have managed to soundly beat the sophomores in the tug-of-war.

Watch for the posters announcing the date and the time. Next year you can have your chance at peaceful hazing as sophomores—but for this year, just get out there and make it four in a row.

Cal's Calumet Treasured

The calumet, a North American Indian ceremonial pipe used to assure a safe journey, will be carried for the fourth time in Purdue Cal's history during the procession preceeding the Fall Convocation.

First carried at the Honors Day program in October, 1966, the pipe was presented to the campus by the student body for use at all ceremonials.

(Cont. on page 4)

Donate Blood

The Freshman Class of a university is undoubtedly the most important of any class in the college atmosphere.

The class of yearlings represents the new blood that tends to replenish the energy of a tired and complacent student body.

The freshmen are lively, refreshing, curious, awkward, and all in all, a lot of fun. They ask silly questions, give silly answers, and put life into a situation that one would think was incapable of life.

The new faces that accompany the energence of freshmen offer an opportunity for new friendships, new conversations, and new activities. What's more, the new coeds give the men more names and numbers for their address books.

Freshmen in organizations provide for increased membership, and new and different ideas and opinions.

Many freshmen bolster the attack of Purdue Cal athletic teams and intramural functions.

The Freshman Class is important in all aspects of university life: academic, social, cultural, and athletic.

So, newly arrived freshman, you see that you are needed and appreciated at Purdue Cal. You are a part of the student body. Find your own particular place in our student community and fill your position to your utmost!

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Soph Recalls First Year

One of Purdue Cal's more popular sophomore coeds, Donna Hazen, recalls her freshman year as "a great time."

Donna admitted that she was apprehensive, partly due to the stories that she had heard concerning treatment of freshmen by the upperclassmen. Donna commented, "Your freshman year is like anything else: it's only as good as you make it."

Donna apparently made it a good year. "I met a lot of nice people, and I was surprised, the upperclassmen didn't snub me because I was a freshman. The kangaroo courts and things were a lot of fun."

Speaking about the academic side of college life, the second year Physical Education major said that she would be the first to admit that the work is hard.

Donna also commented that she had very little success studying on campus. "I did fine at home," she added, "but I just couldn't concentrate at school."

Miss Hazen praised the History Section at Purdue Cal. "The History courses were really rough, but it seems that the harder they are, the more I learn."

A Hammond High School graduate, Donna said that she had a slight difficulty getting accustomed to the informal atmosphere of the college classroom.

Sophomore Donna Hazen advised incoming freshmen to "study extra hard in September, get your feet planted solidly in the subject."

Donna also emphasized the importance of being interested in the things that determine the success of a college student: his courses and professors, his university, and himself.

Laughingly, Donna added one last word of advice to freshmen: "Wear your beanies."

Instructor Gives Advice

Frank Herzog is a highly respected Graduate Instructor at Purdue Cal. Because of his dual role of both teacher and student, Frank has some helpful advice for all students, but especially freshmen.

Mr. Herzog's watchword to freshmen is "Keep up, don't fall behind even one day." These words are well worth observing, for it takes a brilliant student to catch up when he has fallen behind.

Free time, according to Mr. Herzog, tempts the incoming freshman to waste or make poor use of his time. Thus, says Herzog, free time should be budgeted as wisely as study time.

Frank Herzog, a graduate instructor in the History Section, also foresees social problems that may face the freshman population.

"Freshmen have a tendency to join every organization there is to join, merely as a carry-over from high school experience. My thought on this is freshmen should join only the number of organizations which they can serve well without jeopardizing their studies.

Concerning the transition from the high school to the college atmosphere, Herzog had this to say: "Freshmen are used to being prodded and pushed by their high school instructors; this does not exist in college. There is no such thing as a college professor who will spoon-feed a student."

The student must, in every aspect of university life, guide himself, according to Mr. Herzog. The student can always receive help, but the final decisions and actions are left up to each individual student.

"The freshman must learn to shift for himself."

Staff Leader Adds Clues

"All of the issues in the university environment are not academic. As a matter of fact, about half of the matter that freshmen must learn comes from outside of the classroom."

Len Perkins, Student Affairs Officer of Purdue Cal, made the foregoing statement when asked to comment on the problems that freshmen face in their opening days of college life.

Mr. Perkins also noted that many popular high school students have difficulty in college because the popularity that they had previously is "useless" to the college student. The college senior is something less than excited about the activities of a freshman when he was in high school.

Mr. Perkins urges all students, but particularly freshmen to know their own situations: their strengths, their weaknesses, their assets, and their liabilities. Only by knowing one's own situation can one be happy and successful in a university environment.

In the academic strain, Mr. Perkins urges freshman to seek to uncover questions. If questions can be formulated, answers to these questions will be more meaningful. In this way, the non-academic is linked to the academic to produce the well educated person.

Len Perkins' capsulized advice to the freshman is "Know whether college is a right or a privilege. If college is a right, then pursue it as though you are pursuing the right to free speech. If, on the other hand, college is a privilege, take full advantage of the privilege that is offered to you."

Good Government Is Effected By Student-Faculty Efforts...

University government often has a mystical quality about it to the college student, particularly to incoming freshmen.

The rules and regulations are there, course requirements are established, student-faculty rights are understood. But how did this all come about?

Purdue University, which encompasses the Lafayette and four regional campuses, has a primary governing body, the University Senate.

In addition, the School of Humanities, Social Science and Education also has its own special senate for HSSE policies—the HSSE Senate.

Each regional campus also has a governing body which has been granted a degree of autonomy and the power to pass legislation pertinent to the affairs of that particular campus.

Regional campus generally legislation must not be in conflict with adopted documents or proposals currently before the University Senate.

Purdue Cal has such a governing body, which has been designated the Council of Faculty Delegates.

Decisions, Decisions! Student Congress meets in Room 181.

Faculty Council Governs Cal...

Purdue Cal's own governing body is the Council of Faculty Delegates, which operates within Purdue's overall governmental framework.

Authority has been vested by the University Senate in the legislative body designated the Council of Faculty Delegates giving it the power to adopt policies, regulations, and procedures needed to achieve the educational objectives of Purdue Cal.

The composition of the Council is very similar that of the University Senate.

Councilmen include Professors Scott, Moran, Grote, Van Orman, and Pringle from HSSE; Wagenblast, Mitchell, Namias, and Murphy from Science; Battenburg from Engineering; Engle from Industrial Mgt.; Gallet, Kaye, McAllister, and Stillman from Technology; plus Deans Combs and Sander.

Dean Elliott presides. Prof. Lerner, Crawford, and P. Hayes are offices. Purdue Cal's four University Senate representatives serve without vote.

The Dean and Director of Purdue Cal reports to the University's president and Board of Trustees.

Standing committees of the Council have been established and are responsible for specific areas of student-faculty affairs or policy committees.

Ad hoc sub committees are often temporarily established to pursue specific problems and report findings and recommendations to their controlling standing committee of the Council.

For example, the establishment of an Ad Hoc Book Store Committee by the Council on April 7, 1969 was of particular interest at Purdue Cal.

There has been considerable discontent over several book store operations—for example, the availability of a sufficient number of books at the start of each semester.

The newly established Committee, consisting of four faculty, two students, and the Assistant Dean for Academic Affairs. was instructed to report to the Council's Resources and Planning Committee.

According to a Spring memorandum from the Resources Committee, the Ad Hoc Committee is to undertake a complete analysis of the Purdue Cal book store and follow up with suggestions for improvement of its services.

University Senate Acts As Purdue's Top Legislature

Purdue's primary governing body is the University Senate, which is responsible to the University's president. He in turn is responsible to the Board of Trustees.

Senate affairs are conducted through four standing University Faculty Committees established to aid the Senate Affairs and Policy Committees in their responsibilities.

There are four Senate Affairs Committees: (1) Student Affairs, (2) Faculty Affairs, (3) Educational Policy and, (4) Resources Policy Committee.

These are further broken down into areas of concern, such as student counseling, housing, student organization, scholastic delinquencies and readmissions, and many others.

Each regional campus has representation in the University Senate on an apportionment basis. Purdue Cal is represented by four senators: Professors John Tuckey, Loren Bruner, C. Columbus and Robert Nichols.

Highlighting legislative action in the Senate during the spring term of 1969 was the consideration of a Student Bill of Rights.

The Bill was passed on January 20, 1969 but delayed pending the outcome of a poll of the faculty by mail ballot.

There was a request by some senators for a clarification of several vague articles.

The Bill is now specific on such student rights as, the freedom to publish and distribute material and use university facilities available to others, privacy in personal information, and evaluation of academic performance only.

Final approval came in special session on February 24, 1969.

Passage of the Bill has significance here at Purdue Cal. A similar one, but adapted to Purdue Cal's needs, is being considered by the Student Congress and Faculty Council.

Student Congress Directs Welfare...

Purdue Cal's Student Congress is, at the present time, the only Purdue Cal organization in power to conduct business in behalf of the student body as a whole.

Popularly elected officers for the 1969-1970 academic year are: President, Wayne DeGoey, senior; Vice President, Doug Fix, senior; Corresponding Secretary, Nancy Jackson, sophomore; Recording Secretary, Judy Jackson, senior; and Treasurer, Jerry Darnell, sophomore.

At the present time, there are between thirty and forty members of Congress, including the officers, the Senators representing four undergraduate classes, and three Inter-Club Council Senators. The class Senators are elected by the student body at the beginning of the academic year. They serve for the academic year, and their election is based upon a ratio of one Senator per every hundred students in his class.

ICC Senators are appointed to the Student Congress by their peers, the leaders of student clubs and organizations.

Although not realized by many students, the Congress is empowered with the task of "making recommendations over all matters of policy concerning student welfare."

Among the most important jobs of the Congress is the yearly revision of the student organizations' annual budget requests.

At the beginning of the academic year about half of the twenty-three organizations at Purdue Cal submit requests to the Student Congress for financial assistance. The Congress, with appointed committees, then revises the requests, item by item, before submitting them to the Student Allocations Committee. Thousands of dollars are spent on student activities every year, and it is in the Student Congress where the responsibility falls.

"Every student should be acquainted with the Student Congress," said Junior Senator Paul La Reau, "for the Congress is the most effective tool that a student can use in search for general and self-improvement."

Special Senate Guides HSSE

Curriculum and graduation requirements are the areas of concern of the HSSE Senate.

This Senate was established for the School of Humanities, Social Science and Education. It is authorized to establish its own rules and create committees whenever necessary.

Presently, total membership is limited to 50. They are voting members of the HSSE school faculty elected from all departments on an apportionment basis.

One HSSE Faculty member is elected at each regional campus to serve as a regular member of this Senate.

Prof. R. A. Geimer of Purdue Cal's English section is now filling that position.

Of particular significance to a majority of Purdue Cal students is a revision of core course requirements at the Lafayette campus passed by the HSSE Senate during the 1969 spring semester.

Under the new program students will take as many as 52 hours of core courses or as few as 26, depending upon their ability to test out.

Regional campuses have the authority to accept, reject, or alter the new requirements.

For now, the Council of Faculty Delegates, Purdue Cal's legislative group, is studying Lafayette's requirements and will make recommendations more suitable to our needs.

Purdue Cal's program will be presented to the HSSE Senate and recommended for adoption during the 1970-71 school year.

Students ponder problem in chemistry lab under guidance of Purdue Cal faculty.

Steiner Known For Tunnels Constructed All Over World

Prof. Karl H. Steiner, Associate Professor of Electrical Engineering, serves as a consulting engineer in his time away from teaching. This work carries him to all four corners of the world. He said that he has been to Germany 8 times in the last 3 years, in addition to other trips to many other parts of the world. His specialty, he said, is working on the construction of and automation for a certain kind of vehicular tunnel used under rivers. These tunnels are built in sections using principles of prefabrication. Professor Steiner said that each section weighs 15,000 to 20,000 tons. Built in a dry dock which is then flooded, the tunnel sections sink into place beneath the river, according to Prof. Steiner.

Prof. Steiner said that he was invited to serve as a consulting engineer on a tunnel of this type that is going to be built in Hamburg, Germany. The tunnel will go under the river Elbe, and will be six lanes wide. It will be the largest tunnel of this type ever built in Europe.

The computerized traffic controls for these tunnels are also one of his projects, said Prof. Steiner. This type of project involves a means of automatic control of incoming traffic when anything happens to block the flow of traffic through the tunnel.

Denmark, Switzerland, Japan, Canada, Brazil, and Samoa are some of the places where Prof. Steiner visited in connection with various engineering projects. He said that he is currently negotiating with Hong Kong for consultation for the construction of a tunnel which will be similar to the one in Germany.

As a side line, he said that he is interested in compressed speech. This involves putting material on tape and playing it back at a faster than normal speed.

Prof. Steiner said that compressed speech would be a useful aid for teaching in view of the vast explosion of knowledge that we are now experiencing. He said that compressed speech has an advantage over speed reading because speed reading tires a person.

Prof. Steiner said that he has no time for TV or newspapers, because his whole life is engineering. For him, there is never a dull moment in engineering. Travelling as he does, and working on a variety of projects in addition to teaching, it is easy to see why he makes such a statement.

Teaching and Research Are

Purdue Cal Boasts Fine Faculty

The faculty at Purdue Cal is one in which we can all feel pride. As of spring '69 there were 156 teachers on this campus, according to Dr. Alfred D. Sander, Assistant Dean for Academic Affairs.

Out of these 156 teachers, 52 have Doctor's degrees and 79 have Master's degrees. The average teaching load at this school is 11.92 contact hours per week. Only one graduate assistant teaches at this school, according to Dean Sander.

In mentioning these figures, Dean Sander said that Purdue Cal is primarily a teaching institution. Independent research is encouraged, he said, but is definitely considered in a secondary position behind teaching.

Dean Sander said that Purdue Cal has a good quality faculty. In the past, it has been remarkably stable, although the teaching profession as a whole is marked by transientness.

"We pride ourselves on the class relationships between the faculty and the students," he said. Teachers and students seem to have a high degree of compatability at this campus.

All teachers at Purdue Cal know that time should be devoted to the students. Dean Sander urges all freshmen to feel free to consult their teachers as often as need be. However, he pointed out that the faculty member will not seek out the student. Rather, the student should make an effort to seek out the teacher.

Dean Sander said that every teacher at Purdue Cal has an office with office hours posted on the door. If a student is unable to reach a faculty member, he should see the secretary that serves the teacher and, through her, make an appointment.

Fischer Says Music Important

Dr. Gilbert R. Fischer, Associate Professor of Philosophy, is an accomplished musician. When the Chicago Symphony String Quartet played at Purdue Cal last spring, Dr. Fischer joined them for a number, playing piano in the Schumann Piano Quintet.

Although not engaged in any formal musical activity at present, he said that he conducted the Southwest Community Orchestra at one time. He has two bachelors' degrees in music and one master's degree in music. He taught music for five years at Southern Illinois University.

Music is more than a hobby with Dr. Fischer. "I play because it is a part of my life, more than just a pleasure," he said.

He added that music is a great art because it can reflect the whole of life, and is not limited to only one aspect, as for example, emotion. He feels that those who approach music as a purely emotional experience are making a serious mistake. Music, and all the humanities, have a great deal to offer man when he goes about the business of creating a life—his own.

Dr. Fischer said that he likes any music that is good. In his opinion, bad music can occur in any style. He said that music, in order to be good, should have musical values that parallel human values that we consider ethical and worthwhile. Thus, music can be sober or enthussiastic, peaceful or angry, solid or ephemeral, etc. It can also have undesirable values, like evasiveness, abandon, and a lack of discipline.

Speaking of music in America today, Dr. Fischer said that "This is a frivolous age with respect to the arts. They have been shoved aside as recreations." For example, our newspapers give space to the arts on the women's page or the entertainment page.

He said that America, as a whole, is cruel to the genuine artist. "So long as we are pleasure-mad, there is not much hope for the arts—but neither is there for the country." Dr. Fischer feels that the arts have values to offer that the individual and the country both need.

Dr. Fischer, at piano, is playing with the Chicago Symphony String Quartet here in 1969.

Cal's Calumet Treasured (Cont.)

Made by an Indian lore expert in Wisconsin, the calumet is an authentic replica of the pipe used by Indian tribes which once roamed the Calumet Region.

Pere Jacques Marquette, in his journal of 1673, described the pipe as "mysterious" and more honored among the Indians than "the Crowns and scepters of Kings."

The Illinois presented a calumet to Marquette "to serve as a safeguard" as he traveled through hostile territory.

"There is a Calumet for peace, and one for war, which are distinguished solely by the Color of the feathers with which they are adorned," he said.

While red is for war, Purdue Cal's calumet is decorated with white eagle feathers. This symbolizes the Indians' use of the pipe to end "their disputes, to strengthen their alliances, and to speak to Strangers."

Held sacred by the Indians, it served as "a token of everlasting peace" among the Nations.

The calumet is on display in the main lobby next to the mailbox. Its special case was designed and built by a member of the faculty and also contains an authentic tomahawk.

Tied with strips of leather, this stone tool and weapon is a replica of those used in the Calumet Region before traders introduced steel tomahawks to the tribesmen.

Faculty Goals Here

Dr. Tuckey Studies Mark Twain

Many of the faculty members of Purdue Cal are involved in research and various kinds of projects in addition to their teaching responsibilities. There is a wide variety of extra-teaching projects among our faculty.

Dr. John S. Tuckey, Chairman of the Calumet Campus Section of the Department of English, has a very special interest in Mark Twain.

Dr. Tuckey said that he has found the writings of Mark Twain stimulating and intriguing since he was a youth and first read Twain's sketches. Dr. Tuckey mentioned that he prepared a complete bibliography on Mark Twain during his freshman year in college. His doctoral dissertation was on Twain's satire, and since then he has written articles and books on the famous American author. He mentioned three.

1. "Mark Twain's **The Mysterious Stranger** and the Critics" was written in 1968. "This is a case book", said Dr. Tuckey. **The Mysterious Stranger** is one of the works from the later period of Mark Twain's life, and it is written in a very different vein from the better-known and earlier works of Twain.

2. **"Mark Twain and Little Satan"** was written in 1963, and published by Purdue University Studies. Dr. Tuckey said that this is a critical study.

3. **"Which was the Dream? and other Symbolic Writings of the Later Years"** is the second volume in a multi-volume series of Mark Twain's unpublished works. Dr. Tuckey edited this book, which was published by the University of California. The research for this book was done atthe University of California at Berkeley, and involved many trips to California (7 in the last 8 years), where he worked from Twain's original manuscripts as well as copies.

At present, Dr. Tuckey has several books on which he is working. One is a volume which he will edit for the Iowa-California edition of Mark Twain's literary criticism.

At Purdue Cal, if someone mentions "Mark Twain," one simultaneously thinks of Dr. Tuckey. The writings of Mark Twain have proved to be a fascinating area worth years of research and writing for this well-known member of the Purdue Cal faculty.

Dr. Tuckey and Dr. Van Orman are the authors of these books on Mark Twain and Western history.

Van Orman Is Expert On West

Dr. Richard A. Van Orman, Assistant Professor of History, specializes in the history of the western United States.

The beginning of his interest, he said, was simply the enjoyment he received from western movies as a child. In addition, he said that he comes from a family active in the hotel business, so his interest in hotels of the Old West came as a natural step. However, he does research in more aspects of Western history than just the growth of hotels.

Dr. Van Orman said that he recently had 4 or 5 articles published, and is expecting a new book to be published in 1970. This will be titled "Periodical Literature of the Trans-Mississippi West," and is a bibliography that he is doing with Oscar Winther at Indiana University.

He mentioned that he will present a paper for the Western Historical Association at a meeting in Omaha. The title of the paper is "The Bard in the West." It is a study of Shakespeare and his popularity in western areas.

Dr. Van Orman said that his book "Room for the Night" is about the growth of hotels in the West, and was written as a dissertation for his Ph.D. According to many, this is a very interesting, readable book.

Dr. Van Orman once made a speech in San Francisco about the early hotels in that city. Facetiously, Dr. Van Orman blamed San Francisco's high rate of alcohol consumption on the miserable conditions that once existed in her hotels. Since San Francisco still has the highest rate of alcohol consumption and the highest suicide rate in the nation, the newspapers there were interested in his speech and gave him quite a write-up.

A model of a hyperbolic paraboloid developed by Professor Hutton at Purdue Cal.

Jets Use Hutton's Design

Prof. Charles R. Hutton, Chairman of the Calumet Section of the Department of Construction Technology, has developed a structure known as a "hyperbolic paraboloid." Made of steel, this is in essence a roof that, because of its shape, requires a minimum of support.

Prof Hutton said that he built his first hyperbolic paraboloid on the Purdue Cal campus in the winter of '62-'63. Eventually there were twelve of these structures here on campus.

Inland Steel furnished the material and some of the labor, said Professor Hutton. Students also participated in the construction of the hyperbolic paraboloids, as did Professor Hutton himself.

At present, structures modeled on Prof. Hutton's development are being built by airlines for use as overnight maintenance hangers for jet planes. They also have been used as canopies for drive-in theaters, as a shelter for a mountain-top look-out, and there are 16 units in use in a school in Anderson, Indiana, according to Prof. Hutton.

Prof. Hutton said that his current projects include cable design and cable networks for roof structures.

Bechtel and Forbes Pilot "Gary Project" in Math

Dr. Robert C. Bechtel, Associate Professor of Mathematics Education, was involved last year in an important project with Dr. Jack E. Forbes, also of the math department.

Dr. Bechtel said that in the '67-'68 season the "Gary Project" was started with the hopes that it would become a pilot project. The "Gary Project" was concerned with the processes for remediation of low achievers in ninth grade mathematics.

Dr. Forbes and Dr. Bechtel worked with two teachers from one Junior High School in Gary. Each teacher had four classes, so the "Gary Project" was a test on eight classrooms.

First the mathematical competency of the teachers and the students was assessed by Dr. Bechtel and Dr. Forbes. Then they helped the teachers prescribe remediation for the classes, according to Dr. Bechtel.

Dr. Forbes and Dr. Bechtel did not actually teach the children, but worked with the teachers in the Junior High School. These teachers were receptive, and the results of the experiment were viewed favorably by the teachers and students alike.

Dr. Bechtel and Dr. Forbes prepared work sheets on some aspects of math and worked with the text in use on others. Throughout the whole experiment, the main effort was directed toward helping the individual student in his own weak areas, said Dr. Bechtel.

A current project of interest to Dr. Bechtel is one for Purdue Cal. He said that he is working on this project with Dr. Forbes and Prof. James A. Smith. Hopefully, there will be a new math program for beginning technology students at this school.

As of spring '69, there were large lecture sessions in beginning math for technology students. This project aims for variations in the recitation program connected with these math courses, said Dr. Bechtel.

He also said that something similar to a mathematics laboratory may be established. There would be some homogeneous grouping with considerable flexibility. In short, this project would provide a more individual approach to each student.

In addition to these projects, Dr. Bechtel is also working on a textbook for a second algebra course in a new series of High School mathematics texts. Since algebra is involved with different mathematical systems, this text is written in such a way that the student is made aware of these different systems, said Dr. Bechtel.

Piper Pete towers above the Homecoming parade.

Match Campus Activity

2 Dozen Groups Seek Recruits

Purdue Cal needs you! We need you to write for our newspaper, to take pictures for our yearbook, to come to our basket games, and to dance at our mixers. We want you to join our clubs and attend our public lectures. Our Student Congress needs you to compose its Senate, and our Homecoming needs you so that it will be a success.

We need actors, writers, engineers, photographers, and athletes. Purdue Cal has a club or organization which could fulfill your every wish, and all you have to do is join.

Don't stop reading now! Participating in an activity at Purdue Cal is simple! If you'd like to work on the newspaper or the yearbook, go to room 299 and a job will be yours. Watch for the posters in the display cases; they can tell you when your activity meets, where it meets, and how to join.

We need you—won't you join a club?

Professionals Explore Careers

The Student Chapter of Professional Engineers or **SCOPE** helps the engineering student understand more about the career he has chosen. Many regional companies provide engineers who present programs to the club. These engineers demonstrate how an engineer works and what he works with. Several field trips to various industries are held every year.

SCOPE is sponsored by the Indiana Society of Professional Engineers, Calumet Chapter. All engineering students are invited to attend SCOPE meetings.

The purpose of the **American Chemical Society** is to incite and instill a greater knowledge of and interest in the world of chemistry. Interest in chemistry is projected by means of speakers, movies and tours. Students interested in chemistry are urged to join.

The Purdue Cal Pre-Veterinary Club was organized to provide educational opportunities for members who are interested in veterinary medicine. The club provides films, lectures by local veterinarians, and a field trip.

Radio-Electronics Club extends the knowledge of radio and electronics to all students interested in this field.

Meetings are held in the electronics lab where members can gain practical knowledge in their field of interest.

The Student Education Association helps the student develop an understanding of the teaching profession, and it interests men and women in careers in education. The SEA sponsors panels in which teachers give views on teaching, student teachers and education in general. Every spring the SEA sponsors a picnic. All students interested in education are invited to join.

The SEA achieves its goals by participating in the work of local, state, and national education associations. In working with these organizations, the members of SEA help to solve some of the problems of the profession.

Hellenics Stress Service To School And Community

Kappa Pi Delta is an ecumenical campus community open to all students and faculty. This community is a pioneering attempt to draw people of every faith or no faith into a common unity.

The name Kappa Pi Delta is drawn from the first letters of three Greek words meaning: "The Time, The Spirit, and The Mission."

Kappa Pi Delta was formed in August, 1967, and maintains a house at 7204 Ontario Avenue. The house, only a block away from the main campus buildings, has facilities for discussion, study, and social activities.

The club sponsors dances, discussions, and annual treasure hunt, and movies. Every student is invited to join.

Sigma Iota Rho fraternity was formed to serve the student body as a social agency and to promote a program of service, social activity, and educational projects which are socially orientated. The fraternity sponsors many activities including parties and dances.

Pi Delta Phi sorority became active at Purdue Cal in March, 1968. The primary aims of the sorority are social activities and community service. All members are expected to take part in sorority functions.

Since it was founded, the sorority has organized and participated in a slave auction, a fraternity initiation, rush and coke parties, a high-school night, a shoe shine, dances, mixers, and a breadwalk for the United Cerebral Palsy. Any interested girl is invited to attend Pi Delta Phi's coke parties.

Pi Sigma Kappa is an organization formed to bring together women students at Purdue Cal. Pi Sigma Kappa takes part in many activities such as decorating the lounges for Christmas, collecting for a Thanksgiving basket for a needy family and helping usher at faculty and student body events. All women students are welcome to join.

Athletes Create Amity

The Lettermen's Club or **PCAC** was organized to promote a high standard of athletics, and to create fellowship among athletes. PCAC sponsors dances and many other activities.

The Lectures and Assembly Committee is a faculty committee formed to present informative and educational programs to students of Purdue Cal. Programs include films, lectures and concerts.

Speech, Song Aid Vocality

The Ciceronian Society is the forensic society at Purdue Cal. Students interested in participating in debate, interpretive reading, and persuasive speeches should join Ciceronians. Members of Ciceronians travelled to debate and speech tournaments during the past year. Any student is invited to contact Professor Lee Goodman if he would like to take part in Ciceronians.

The Purdue Calumet Chorus is a mixed singing group formed for students who like music. The chorus represents Purdue Cal at school functions and Calumet Region events such as Fall Convocation, the Spring Awards Banquet, and Christmas caroling. All students are welcome to join this singing group.

Jackie Muhr was crowned 1968 Homecoming Queen and reigned over all the festivities.

To Your Personality

Politics Intrigues Many Students

The Calumet Campus Student Congress is the governing body of the university and consists of five executive offices and a senate.

The five executive officers president, vice-president, recording secretary, corresponding secretary, and treasurer act as the voices of the student body. It is the responsibility of the officers and of the senate to discuss and act upon all matters concerning student life.

This year's officers, elected last spring in a campus-wide election, are Wayne DeGoey, president, Doug Fix, vice-president, Nancy Jackson, recording secretary, Judy Jackson, corresponding secretary, and Jerry Darnell, treasurer.

The senate will be composed of students selected by a campus election to be held during the second week of October.

Student Congress President Wayne DeGoey states that tentative plans for the coming year are a dance to be held during orientation week, a winter semi-formal, Saturday night dances, a Student Congress float for Homecoming, and a spring formal dinner dance.

Political Affairs Club was founded to conduct research within the scope of political science. The club also combats political apathy in all forms. Political Affairs Club offers the student the opportunity to exchange ideas with his peers.

Choice "68", a mock presidential election, was sponsored by the club. Various political figures visit the campus to lecture to the club and its members. All students are invited to attend.

Fine Arts Buffs Can Write, Act

The Gables, a fine arts study club, gives students an opportunity to explore the fields of art, literature, music, and travel. Gables accomplishes these goals through discussions, lectures, and tours.

Each spring, Gables sponsors the Student Art Show.

At this show Purdue Cal students can display their artistic works and win prizes for them. Students who join Gables can take part in the field trip which occurs each semester. Any student interested in a fine arts club is invited to attend Gables meetings.

The ASTRON, Purdue Cal's yearbook, was founded in 1967. The yearbook portrays all aspects of the school year in pictures and copy. The book is written and compiled by students. Membership on the yearbook staff is open to all interested students.

Purdue Cal's newspaper, **The Boilermaker** was founded in April, 1953. It exists as a voice of the students and provides students with news of the campus, activities, and faculty. The paper also gives student staff members experience in journalism. Staff members are needed in all departments of the **Boilermaker.**

Purdue Cal's drama department stages four plays each year. The climax of last year's season was the production of **The Fantastiks,** the first musical to be produced by **Cal's theater company.** Students are needed in all aspects of play production and are invited to participate.

In the 1968-69 season the theater company produced "Luv."

LANGUAGE GROUPS AID CULTURAL EXPERIENCES

El Circulo Espanol or the Spanish Club provides members with an opportunity to enrich their knowledge of Spanish culture and the Spanish language.

Der Deutsche Verein (The German Club) was formed for students interested in Germany and German-speaking nations. The German Club plans many activities each year: a dance, speakers from different nations, a field trip, and a party. Anyone who is interested in German may join this club. Interested students do not have to be enrolled in a German course because English is spoken at all meetings.

Social Club In 2nd Year

Sociology Club exists to act as a vehicle for first-hand study and understanding of social behavior and relationships. Last year the club sponsored a field trip and held discussions and panels.

Mary Jo Gorman, 1968-69 co-editor, ponders a story which will appear in the "Boilmaker."

Congress President Greets Purdue Cal's Class of '73

by Wayne R. DeGoey
Pres., Student Congress

Along with my colleagues in Student Congress, and the entire student body, I personally wish to welcome you, The Class of 1973, to Purdue University Calumet Campus. Purdue University has been part of the Calumet Region's educational community for some 27 years. At this time, its primary mission is threefold: to provide its students with a liberal education that will prepare them for life or the professions; to provide career-oriented studies that lead to certificates, associate degrees, and baccalaureate degrees; and to provide programs that meet the professional, cultural, and general educational needs of the community.

You are now the new generation of Purdue Calumet. Only through you can the University grow and prosper. For this growth, you must show your willingness and determination in belonging to Purdue Cal. There are numerous ways in which each one of you can contribute to the future growth of Purdue Calumet. The clubs and organizations are the ways and means of accomplishing your goal. From music to theater, from journalism to politics the possibilities and varieties are endless. Each one of you, I am sure, will be able to find the right organization or club which best suits your desires. I only ask, when you have made your choice, that you support your organization not only with your presence, but also your willingness to work and strive for the betterment of you and the school.

For those of you who have special interests or experience in journalism there are opportunities in the school newspaper, **The Boilermaker,** and the yearbook, **The Astron.** For those of you who are interested in politics, we offer openings in the Student Congress and the ICC, Inter-Club Council. The ICC is made up of two representatives from each club which meet weekly. One of the two representatives may be elected to the position of ICC senator to the Student Congress. Students who wish to represent their specific class may do so by running in the class senatorial election, which is held at the beginning of the Fall semester. For those of you who wish to become brothers and sisters, a number of fraternities and sororities are offered. In addition, for debaters and orators we offer the **Ciceronians** which is Purdue Calumet's debating them. In the field of art we offer the **Gables.** In foreign language the German, French and Latin clubs are offered. For music lovers the Purdue Calumet chorus organization, P.M.O. is available. Engineer majors will find S.C.O.P.E. also available to them. The American Chemical Society is offered for those of you who are majoring in Chemistry. All athletic minded students have an excellent chance of promoting Purdue Calumet through P.C.A.C. The sports offered here at Purdue are soccer, baseball, and basketball. Golf is planned to be added to the athletic schedule. In addition to these clubs we have the Pre-Vet Club, Political Affairs Club, and the Sociology Club.

Only through your participation in organizations and your attendance at social functions given at Purdue Calumet can we write the success story for the school year 1969-70. We need your help and enthusiasm. And most of all, we want you to feel that you are part of Purdue Calumet.

New Building Taking Shape

Another example of Purdue Cal's rapid progress is evident in the construction of the Student Faculty Library Center.

Groundbreaking ceremonies were held for the center during the summer after which the Miller Davis Construction Co. took over the job.

The $6.2 million project is expected to be completed in 24 months. It is Cal's forth new building in two years.

Dean Carl H. Elliott stated that "the center will foster a reservoir of spirit which will become a positive and unifying force in the totality of college life. All segments of the college community will blend together here for a more liberal education of students, faculty, staff and alumni alike through cooperative participation in a self-directed program of informal educational, cultural and social activity."

"There are many students, faculty and staff members who deserve praise for their part in planning this project," Elliott cited. "We thank them all, particularly the first chairman of the planning committee, Harry H. Hubbard, assistant director for administration."

The three-story building will have a total floor space of 155,000 square feet and is located on campus property just south of the main building at 2233-171st St.

It will provide larger quarters for the library now located in the main building. The entire second floor of the new building and some 50,000 square feet of floor space have been set aside for open stacks, study areas and offices.

Also of special interest to students, the new building will have student activity offices, faculty offices, food service areas, continuing education quarters, classrooms, study lounges, a large recreation room and bookstore section.

But the facilities do not stop there. Fifteen classrooms and seminar rooms are included in the plans. Some will be equipped with special facilities for educational television.

In addition, there will be an all-purpose room containing some 10,000 square feet of space. This can serve as an auditorium for theatrical productions and other events. Or, it can be converted into a ballroom to accommodate larger groups of people for dances and banquets.

In the past, the school had to rent auditorium space in nearby high schools for dramatic presentations. Cal will now, at long last, have its own theatre.

The multi-purpose center will be the focal point in further campus development. As money is made available by the state Legislature, additional wings for added library space, student activity facilities and staff offices will be added.

Past Presidents take part in ceremony.

New Fraternity Rushes Frosh

This semester brings a new fraternity to Purdue Cal. This new fraternity, which is representative of the growth of our university, has applied for colonization with the national fraternity of Phi Sigma Kappa. The primary purpose of these young men is to promote scholarship, brotherhood and character among the brothers.

In order to help the brothers develope these ideals, the fraternity will promote all campus activities for the students as well as inter-fraternity and sorority activities. Presently an open ski weekend is being considered as a possible activity for the winter.

Rushing will begin with the start of school and new freshman and other interested students can pledge in early October. Times and dates for rush will be posted.

ΦΙΚΘ

PURDUE CALUMET CAMPUS FIRST NATIONAL FRATERNITY

BROTHERHOOD
HUMAN COMMUNITY
LEADERSHIP
SCHOLARSHIP
SOCIAL
ALUMNI

PHI KAPPA THETA

RESPONSIBILITY
RECREATION
BUSINESS CONTACT
FAITH
UNITY
HOME LIFE

STUDENTS GET BREAK ON BOOKS

Is the text book dilemma getting you down? Then cheer up! Student Congress book sale has the answer to your problem. A used book sale will be held in room 2 of the Inland Research section of Purdue Cal during the first week of school.

Any student wishing to sell one or more of his text books must ask his price, and enclose in the book the price and his name and address on an envelope.

Students wishing to buy books must deposit the amount asked by the owner in the envelope provided. He then will have the envelope checked and sealed by the attendant.

Don't miss this chance to save money—take advantage of the Student Congress Book Sale.

NOMINATIONS OPEN FOR CONGRESS POSTS

Students interested in running for a Student Congress senate seat may start the ball rolling by picking up their nominating petitions in the Student Affairs office now. These petitions are to be signed and returned to Student affairs by Sept. 19. At this time it is also requested that the nominee turn in a copy of his schedule and a wallet photo of himself. Campaigns may begin the week of September 22. Elections will be held in the food lounge on October 2 and 3. Any student wishing to vote must have his fee receipt at this time.

Fraternity Active At Purdue Cal

Phi Kappa Theta is Purdue Cal's only nationally affiliated fraternity. Last year Phi Kappa Theta was active on campus. It sponsored numerous dances, civil service projects and other activities including a pledge raffle and an award-winning Homecoming float.

It's primary purposes and goals are to promote unity and interest as well as scholarship and brotherhood among its members.

Beanie Bearers Beware!

SORRY!

S.I.R. Isn't for Everybody

— But Then We Don't Try To Be

ΣIP

The men of S.I.R. would like to welcome the Freshmen Class of 1969 to Purdue University Calumet Campus. We are proud to be members of the first fraternal organization established at Purdue University Calumet Campus. Sigma Iota Rho's main objectives are: to promote friendship among the students of PUCC, to facilitate social functions, to aid and encourage scholarship, to foster and promote physical fitness and excellence, and to cooperate with others for the welfare of PUCC.

We of S.I.R. invite those who desire to promote these goals and work as brothers for the betterment of one another and our University.

Pres. Ed Stankus
Pledge Master Andy Grodzicki

PI SIGMA KAPPA

Service and social sorority Oldest established women's organization at Purdue Calumet.

ΠΣK is an organization with tradition and new ideas. All freshmen women are welcome to pledge.

ΠΣK

First pledge party is September 14, 3:00 P.M. Middle floor lounge.

Unlucky Freshman Gropes For Pennies.

"Slink" sinks another as Purdue Cal wins.

Basketball, Key Sport Here, Welcomes NAIA Competition

Perhaps the most emphasis in the last few years in athletics at Purdue Cal has been given to having exciting and successful basketball seasons.

The Pipers were just beginning to "get hot" towards the end of the schedule last season and this makes Purdue Coach Shields very optimistic about this season.

More and more, larger turnouts and more backing have made the Purdue Calumet team one to watch.

Students no longer look at Purdue Calumet's competition as at the high school level, but rather, we are considered college level in all sports.

This will be the first season that our school will be a member of the NAIA conference. We will be in the same competition as many of the larger schools in the nation. We will not be considered an extension any longer.

Ken Goodwin, a veteran from last season, thinks we are able to meet the new challenges to come.

"Everyone is invited to participate in and to watch our athletic program and to help us meet these challenges," said Goodwin. "To have such a great season as we expect, we'd have to have everyone's backing."

Co-Captain Hochman

Co-Captain Chase

Purdue Calumet Sees

Coach Hayes Says Golf Is Back

Coach Robert C. Hayes, associate professor of Physical Education for men, was interviewed concerning the athletic program at Purdue Cal Campus. The following questions and answers are from the interview:

What is the history of athletics at Purdue Calumet Campus?

When I came here in 1952, I started a program that included baseball, basketball, and golf. Golf has since been dropped, but we are in the process of adding it again to our program. There were plenty of athletes available when I came. They just needed someone to get them started.

What teams do we have at present on this campus?

At present we have baseball, basketball, and soccer. As I mentioned before, we are adding a golf team.

Will we have a Holiday Tourney this year?

We have discontinued the Holiday Tourney, but we will play in an invitational tourney somewhere else. We had to discontinue our tourney because of lack of financial support and student interest.

Is the time going to come when we will have our own football team, and why isn't there one at the present time?

The initial cost for starting a football team is astronomical. It would require at least $30,000 for equipment. This figure does not include money for coaches, trainers, medical supplies, and a doctor. It is required that a doctor be on the bench during all games. As to whether we will ever have a football team or not is hard to say. There has been talk and, in this day and age, what the students demand is usually given to them.

Do we have plans in the near future for a gymnastic team?

We would like to have a gymnastic team, but just when we will is a difficult question. Our biggest hold up is lack of sufficient facilities. We have only one building, the Armory, and the basketball season would run parallel to a gymnastic season. Staff and equipment would be required also. A coach with special skills is a must.

Do we have any women's teams?

No, we have no space or staff to handle them.

Which sport draws the largest turnout?

Basketball draws the biggest crowds. It is the only sport where we get gate receipts. Of course, admission is only charged to the public. The athletic fee paid by the full time students pays their admission in advance to all games. The outdoor sports, baseball and soccer are free to everyone.

What expansions can we look forward to in the near future?

Within the next month, we will begin converting the ten acres behind the Armory into a combination soccer, football field, baseball diamond, track, and four or five tennis courts. They will be ready for use this fall.

Intramurals Grow Popular

In case anyone asks you who Greven's Gorillas are, you tell them that they are one of 10 participating teams in one of the fastest growing athletic activities in Purdue Calumet's history.

This team won the 1968-69 Intramural Basketball tournament over such tough competitors as the Extension, the Establishment, the Exterminators, the Dwarfs, Wildcats and the '69ers.

These teams and others competed in approximately 10 games each and then had the tournament in January of this year.

The new season, which starts in November, is open to anyone who can read and write. And all are invited to help this popular activity grow even more.

According to Herb Ware, the head of intramural action, the basketball season has been so successful that the new intramural co-educational volleyball program is expected to grow also. In the future, Ware sees an intramural softball program for Purdue Cal also.

Any new athletic program will be hard to start. Absolute and faithful attendence and participation is a must.

Ken Goodwin, a member of the Purdue 'Pipers' basketball team, thinks that the lack of backing is the very thing that prevents any new sports.

"Even individual sports should be started at Purdue Cal," he said. "Golf and bowling have all been considered but the lack of funds because of the poor attendence at athletic functions has hindered our growth in this area. The raises in athletic fees are not enough to start a new branch on our athletic program," he concluded.

Baseball Team 'Rough to Beat'

A good baseball team has been important to Purdue Cal and much hard work has always gone into making ours the best of all teams.

Rigorous and long conditioning programs are prepared for our "Pipers" to install a basic hustle in each and every player.

Senior Mike Ryba acted as Captain last season and led our team to many impressive victories.

"The prospectives for good baseball players get better and better each year," said Ryba, "and next season's team ought to be rough to beat."

Ted Porter, Chris Nickeloff, Jim Rospond, Rick Burke, and others have backed up Ryba to make the team a success.

"There is always room for new players," continued Ryba," and unknown talent can be uncovered in a single afternoon."

Baseball is a relatively new and growing sport at Purdue Cal. 'The Pipers' home games are played on the field south of the main building. All are invited to attend.

Baseball Captain Mike Ryba

Athletic Program Grow

Coach Shields Feels Optimism

Coach John S. Shields has a lot of pride in the boys who play on the various sports teams at Purdue Cal Campus, "I'll match our boys against any," he said. He also answered several questions during a recent interview.

What type of players make up our teams?

Grade-wise, they are better than average. For the most part they maintain a 4.5 index or better. They are well-rounded young men with a real desire to play ball. Most of them were active in sports in high school.

What type of awards can the players earn?

The players are awarded letters and trophies. They have jackets, sweaters, and blazers. Trophies are awarded in an annual sports banquet. Awards are received for most improvement in the three intercollegiate sports. Also for the three sports, an award for the most valuable player. The Dean's Award is presented to an outstanding athlete in recognition of scholarship, sportsmanship, participation in student activities, and character. There is also special Service Award in recognition of time and effort spent.

How much time does the average player devote to the sport?

They average about three hours per day in practice and some games that require a lot of traveling time take up more than 24 hours. The average player devotes about 40 hours a week to a sport.

What transportation and lodging is provided for the players when a game is to be played at a considerable distance?

We travel by chartered bus. When overnight lodging is necessary, we stay in Holiday Inns.

Do some players play on more than one team during the year, and if so, is this because we lack a sufficient number of qualified athletes for each of the three sports?

Yes, many of our athletes play on more than one sports team. This is not due, however, to any lack of good athletes. These are just well-rounded athletes with a real desire to play.

Do the players have to maintain a certain grade point average?

Yes, according to the NCAA, an average of 1.6 must be maintained. I think the NAIA goes by the five point system instead of the six point that we use at Purdue.

Will the time come when we will draft players or otherwise try to interest them in attending Purdue Cal Campus?

We do that to a limited extent at the present time. We tell them about the work-study programs and Purdue scholarships available to them. We also let them know that they have a better chance of playing ball at this campus, which most of them would rather do than warm a bench at some larger university.

Aside from the intercollegiate sports at Purdue Cal Campus, are there any intermural sports?

Yes, we have basketball teams and also volleyball leagues. The volleyball is coeducational. Intramural sports take care of that part of the student body who desire recreation but haven't the time for any major athletic program.

Who should incoming freshmen interested in being a part of the athletic program see on this campus?

Any incoming students who are interested should contact either myself or Coach Hayes.

Soccer Players Hopeful for 69

"It's a tough game," remarked Tom Galouzis. 'It is every bit as tough as football and the satisfaction derived from it is at least the same." These are comments on one of Purdue's fastest growing sports—soccer.

Tom Galouzis is the Purdue Calumet soccer team captain and has a very positive attitude toward the coming season.

"A lot of practice goes into soccer even before the season starts," said Galouzis, "and by the time our first game comes around September 20, we'll be ready."

The sport of soccer only started at Purdue Calumet last fall and was made an immediate success by ample participation both in players and spectators.

"Almost 30 men came out last fall and 20 got dressed. We made a good showing for our first season," he continued.

The Pipers finished 4-3 last season with a smashing victory over I.U. Ft. Wayne on October 19.

"All Freshmen are more than welcome to give a hand in our sport," concluded Galouzis. "We'll need all the help we can get to be successful in a tough season like the one this fall."

Soccer calls for healthy players.

1969 SOCCER SCHEDULE

Sat.	Sept. 20	P.U.-I.U. Ft Wayne	There
Wed.	Sept. 24	Valparaiso	There
Sat.	Sept. 27	Loyola	Here
Fri.-Sat.	Oct. 3-4	Purdue Tournament	
		Trinity Christian	
		P.U.-I.U. Ft. Wayne	
		U. of Chicago	
		Purdue Calumet	
Wed.	Oct. 8	Northwestern	Here
Sat.	Oct. 11	Purdue Lafayette	Here
Wed.	Oct. 15	George Williams	Here

Cheerleaders ready for another season.

Cheerleader Squad Seeks Agile Mascot for '69 Pipers

What's cheerleading like at Purdue Cal? To get the facts, the **Boilermaker** talked with Mrs. Judy UmBach, advisor to the cheerleaders and women's physical education instructor.

How are the cheerleaders selected?

They are selected by a panel of judges made up of the athletic director, a member of the athletic committee, the president of PCAC, president of the student body, and the captains of the basketball and soccer teams. The judges have a sheet for each person trying out, that lists a number of categories. These categories include voice, appearance, general impression, and a variety of gymnastic skills such as cartwheels and splits. They receive points in each category and the points are totaled in order to make the best selections.

How often are the cheerleaders selected?

At one time cheerleaders were carried over from year to year, but now we have tryouts at the beginning of every fall semester. Persons who want to try out come in for a week or week and a half of practice. This gives us a chance to find the new talent that comes in each year. It also gives more encouragement to incoming freshmen who are interested in trying out if there are five positions available instead of only two.

Are there any basic requirements that must be met before one is eligible to become a cheerleader?

You must carry a minimum of 12 credit hours and maintain a C average. Of course, you must be willing to spend the time required for practice.

Who selects and purchases the uniforms for the cheerleaders?

PCAC purchased the uniforms this year. The girls have two sweaters and a skirt which belong to the department. They each made their own shorts, so actually they have two complete outfits which are intercrangeable. In warm weather they usually wear the shorts. Next year we hope to have light knit tops so the heavy sweaters won't be necessary in the late spring and early fall. The girls are responsible for the care and maintenance of their own uniforms.

Do you have any special plans for the future with regard to the cheerleaders?

We would like to have four cheerleaders and a Piper mascot The mascot, or any of the cheerleaders, could be a male student. It would require a lot of gymnastic ability, but would add much to the squad.

Captain Tom Galouzis

Crystal Ball Predicts Continued Campus Growth

Purdue Cal's Past Progress...

Every morning thousands of Calumet Region residents are awakened to the demands of its bustling industries, but not all. Many rise to the call of one of its proudest monuments of learning—Purdue University, Calumet Campus.

Purdue Calumet's history begins way back when World War II created an enormous need for skilled craftsmen and technicians.

Under the War Manpower Training Act, a series of technological programs were instituted. Purdue University participated.

With the termination of the war and the inauguration of the G.I. Bill, educational facilities had to be provided for the returning veterans. Consequently, Purdue began to develop programs and technical programs in the Calumet Region.

The creation of Purdue Calumet reinforces our tag as the "war-babies."

Classes of Purdue University's infant offspring were held in the Civic Center and what is now the Hammond Board of Education Building. Even some of our present faculty, like Professors Stark, Hayes and Stock, were part of Purdue Cal during its embryonic stage.

By 1948 University administrators and other community leaders were certain that the rapid growth of higher education was to be a permanent feature of the nation's life.

Consequently they purchased, with money contributed by Calumet area businesses and individuals, the first parcel of the land on which the present campus stands.

The remainder of the site was acquired by the University, totaling about 167 acres.

In 1951 Purdue Calumet moved into its permanent home, what is now the east half of the Calumet Center Building.

An expanding enrollment and a growing demand for college people for industry served as the impetus for the construction of the Industrial Research Institute Building.

Completed in 1954 through funds from the University's Ross-Ade Foundation, the building required no outlay from tax funds. A 15-year lease was given to the Inland Steel Company for a portion of the building to be used as laboratories.

An additional facility was acquired when a small parcel of land was transferred to the U.S. Army for the building of the National Guard Armory, which was also to provide physical training facilities for Purdue Calumet students.

A $2,500,000 annex to the original building was opened in 1963, housing the library and food lounge.

Growing to meet the educational needs of the community, a technology and engineering laboratories building has just recently been erected to accomodate the various programs.

The first building to be erected through state and federal aide, the building is named after E. D. Anderson, a man instrumental in procuring the present site of Purdue Cal.

Also recently constructed is the Central Heating Plant.

And this is the Purdue Calumet you see today. From a series of classes held at the Civic Center to a multi-building, 4,000 student body, Purdue Cal has come a long way in its 23 year history.

...Promises a Proud Future

How will the growing, developing, progressing Purdue Cal look several years from now? Will its future be as rich and expansive as its past?

According to Mr. Larry Beck, the assistant for Planning and Development to the Associate Dean, Purdue Calumet's future will meet the growing demands of higher liberal and technical education.

That progressing construction just north of the main building is the Electrical Building. Students can expect to occupy the building in the fall 1970 semester.

This summer construction began on the $6 million Student-Faculty-Library Center. Equipped with a TV and drama laboratory, an education curriculum center, a larger library, cafeteria and dining rooms and an audio-visual center, this building is designed to meet the growing demands in the area of liberal arts.

The 3 story, 155,000 sq. ft. building should be completed by the fall of 1971. Yet this completed structure is only the first phase of a much larger building.

Similarly, the Anderson Building has two more phases to go. These will be erected as enrollment and funds dictate.

Mr. Beck explained that eventually the main building will be converted into a science building. The library and lounges will move into the Student-Faculty Library Center.

As the campus expands, there's a definite pattern to it. Engineering and technology facilities will stay in the north half of the campus and the humanities will occupy the south half.

More distant plans envision an auditorium and parking garages.

With Purdue's 167 acres bounded on the south by the Calumet Expressway, on the north by 169th Street, on the west by Woodmar Avenue and on the east by a line running variously from Wicker Avenue to the New York Central tracks, Purdue Calumet has lots of room to grow.

And with a little over $3 million to spend over a biennium, further expansion of buildings and programs is inevitable.

When asked whether Purdue Calumet might ever become a resident as well as commuter campus, Mr. Beck replied that "It's a possibility, but present plans do not include dormitories."

Indeed, Purdue Cal has grown to meet the needs of the community it was created to serve.

But even more important, it has developed to meet the requirements of its student body and the increasing challenges of higher education.

Evolving into a first rate University, Purdue Calumet is not only a credit to the community, but also a credit to the academic world.

PROPOSED MASTER PLAN

Scrolls of white on blue are the seeds of any building. Cluttering Mr. Beck's office, these blueprints promise expansion and development (Picture 1). In September 1971 when the Student-Faculty-Library Center will be completed, the paper plans become a concrete construction. (Picture 2). But even that $6 million structure is only a small part of the proposed master plan (Picture 3).